

Amendments to the Specification:

Please replace the paragraph located on page 6 of the specification beginning with the phrase “Preferably the cell culture chamber...” with the following:

Preferably the cell culture chamber support is formed from the same material as the exposure device. Preferably the material from which the exposure device and the cell culture chamber support are formed is an inert material. When referred to herein, inert material shall be taken as meaning a material that does not chemically interact with a fluid capable of use in the aforesaid device. Suitably the exposure device and the cell culture chamber support may be formed from a material selected from the group comprising PTFE, Stainless Steel, PerspexTM, Poly (Methyl Methacrylate) and Glass. Other suitable materials will be known to those skilled in the art.

Please replace the paragraph located on page 8 of the specification beginning with the phrase “Medium inlet means 11...” with the following:

Medium inlet means 11 is located in the base portion 2 and provides medium to the medium chamber 4 by means of a pump (~~not shown~~). Medium outlet means 12 may be a pipe attached to a second pump (~~not shown~~) for extraction of the nutrient medium from the medium chamber 4. Medium outlet means 12 is removable from the top portion 3 of the exposure device 1. The intake end of medium outlet means 12 passes through a hole 22 in cell culture chamber support 5 into the medium chamber 4. Medium outlet means 12 may be fixed into position by a locking means (not shown). The locking means may be provided by a threaded screw having a central bore therethrough. In this instance, medium outlet means 12 may pass through the central bore of the threaded screw.

Please replace the paragraph located on page 8 of the specification beginning with the phrase

“In operation, nutrient medium...” with the following:

In operation, nutrient medium (not shown) is pumped into the medium chamber 4 (~~pump not shown~~), the nutrient medium being pre-heated to the required temperature for cell maintenance. The nutrient medium is pumped into the medium chamber 4 at a fixed pumping rate until it either contacts the base of the cell culture chamber 7 as is required for basal feeding of the cell cultures 8, or the medium is allowed to reach a level in the medium chamber 4 at which the cell cultures 8 are submersed in the nutrient medium as is required for submersion feeding of the cell cultures 8.